

# IF5223



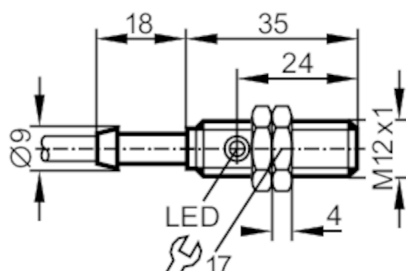
## Inductive sensor

IFB3002-BNKG

Article no longer available - archive entry

Alternative articles: IF5723

When selecting an alternative article and accessories please note that technical data may differ!



### Product characteristics

Electrical design	NPN
Output function	normally closed
Sensing range [mm]	2
Housing	Threaded type
Dimensions [mm]	M12 x 1 / L = 35

### Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
Reverse polarity protection	yes

### Outputs

Electrical design	NPN
Output function	normally closed
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	1000
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

### Monitoring range

Sensing range [mm]	2
Real sensing range Sr [mm]	2 ± 10 %
Operating distance [mm]	0...1.6

### Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10

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## Inductive sensor

IFB3002-BNKG

### Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

### Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

### Mechanical data

Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M12 x 1 / L = 35
Thread designation		M12 x 1
Material		brass white bronze coated; CO-PC

### Displays / operating elements

Display	Switching status	1 x LED, yellow
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### Accessories

Items supplied		lock nuts: 2
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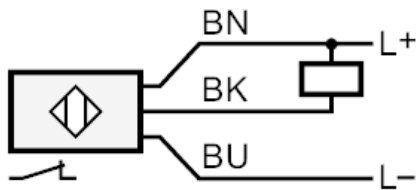
### Remarks

Pack quantity		1 pcs.
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### Electrical connection

Cable: 2 m, PVC; 3 x 0.34 mm<sup>2</sup>

### Connection



Core colors :  
BN = brown  
BU = blue  
BK = black